

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090424\
 Data File : VN083660.D
 Acq On : 04 Sep 2024 19:30
 Operator : JC\MD
 Sample : P3802-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 05 02:31:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

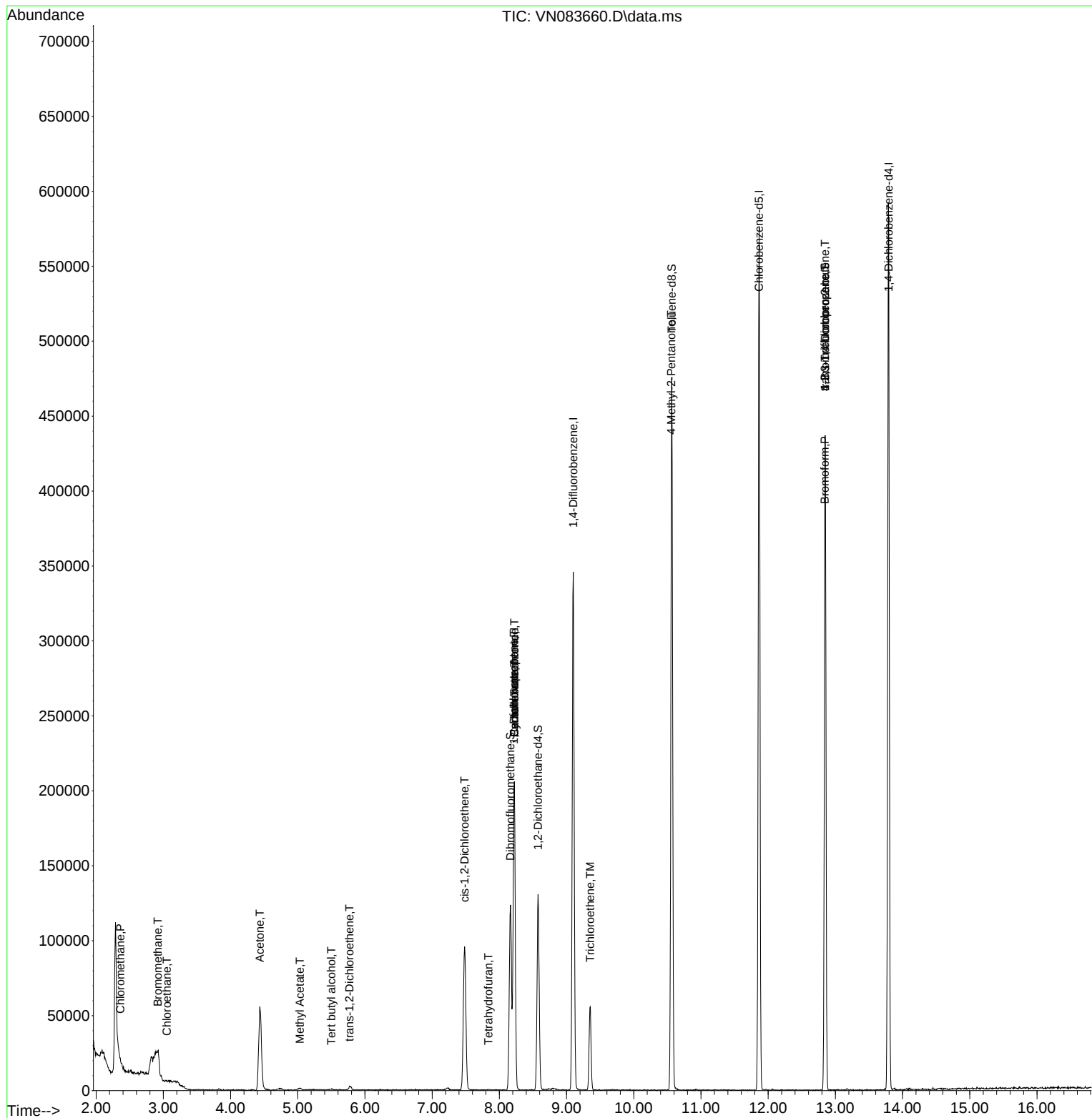
Internal Standards						
1) Pentafluorobenzene	8.224	168	141159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	109372	55.439	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.880%
35) Dibromofluoromethane	8.165	113	88247	50.720	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.440%
50) Toluene-d8	10.565	98	314602	46.463	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.847	95	150843	60.099	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	120.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1057	0.607	ug/l #	41
5) Bromomethane	2.918	94	353	0.386	ug/l #	2
6) Chloroethane	3.053	64	610	0.536	ug/l #	45
11) Tert butyl alcohol	5.500	59	248	0.806	ug/l #	71
16) Acetone	4.436	43	1841	2.340	ug/l #	45
18) Methyl Acetate	5.030	43	2666	1.274	ug/l #	67
21) trans-1,2-Dichloroethene	5.771	96	1997	1.240	ug/l #	75
27) cis-1,2-Dichloroethene	7.482	96	57012	29.660	ug/l	88
29) Tetrahydrofuran	7.835	42	137	0.206	ug/l #	32
31) Cyclohexane	8.224	56	3681	1.206	ug/l #	43
36) 1,1-Dichloropropene	8.218	75	12982	4.892	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16142	5.331	ug/l #	16
43) Isopropyl Acetate	8.682	43	221	Below Cal	#	57
44) Trichloroethene	9.353	130	19280	9.817	ug/l	94
51) 4-Methyl-2-Pentanone	10.559	43	1978	0.806	ug/l #	1
71) Bromoform	12.841	173	385	0.231	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	85928	28.650	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85928	67.573	ug/l #	9

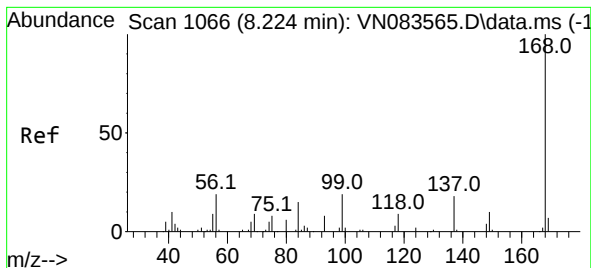
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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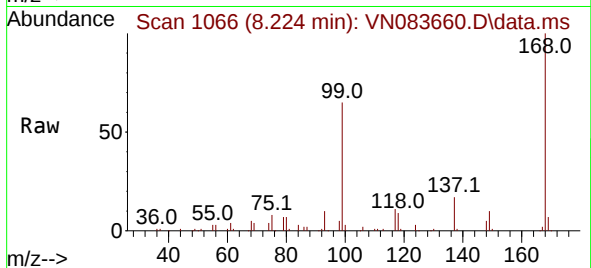
Quant Time: Sep 05 02:31:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration



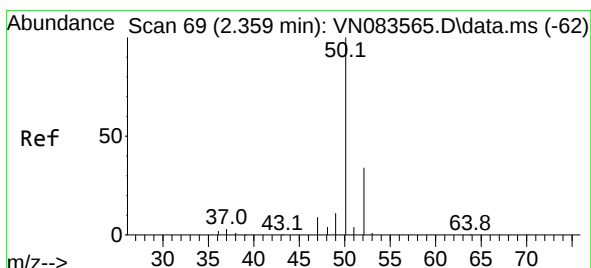
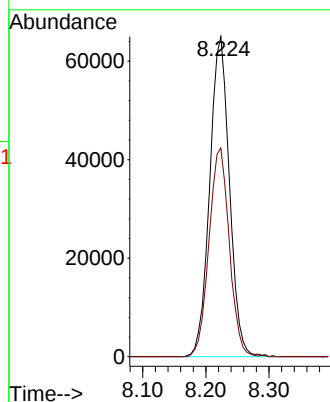
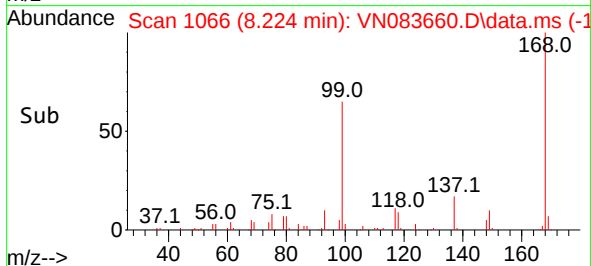


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

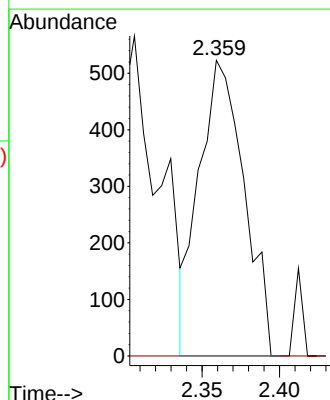
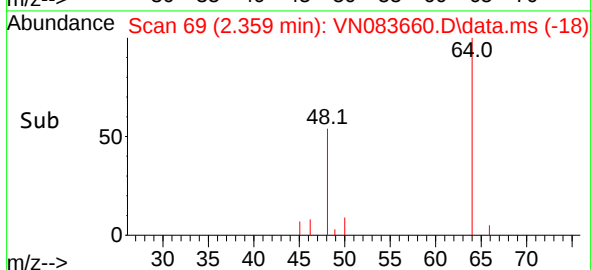
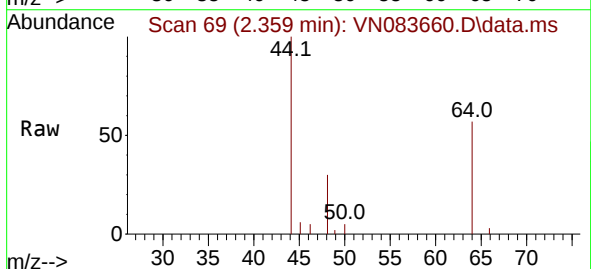


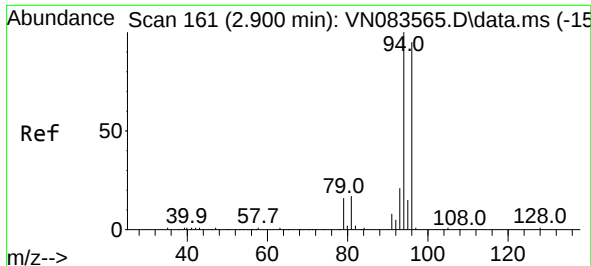
Tgt Ion:168 Resp: 141159
Ion Ratio Lower Upper
168 100
99 65.2 54.2 81.2



#3
Chloromethane
Concen: 0.607 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Tgt Ion: 50 Resp: 1057
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

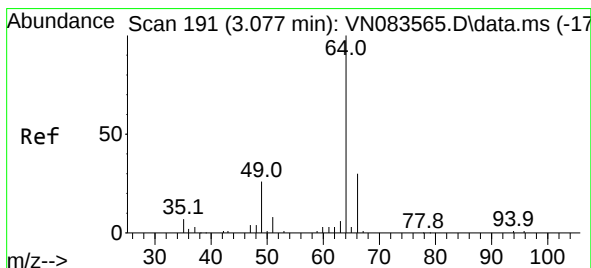
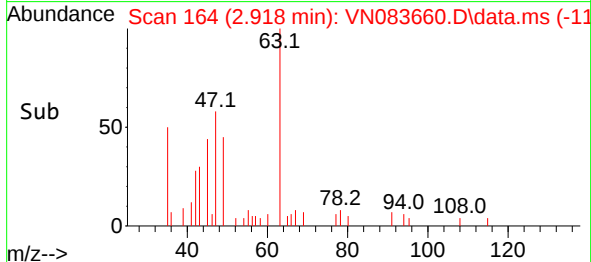
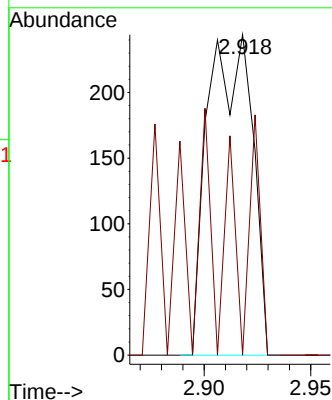
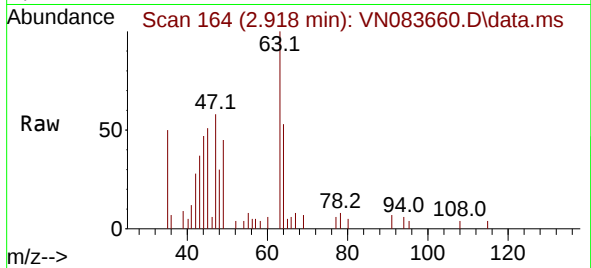




#5
Bromomethane
Concen: 0.386 ug/l
RT: 2.918 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

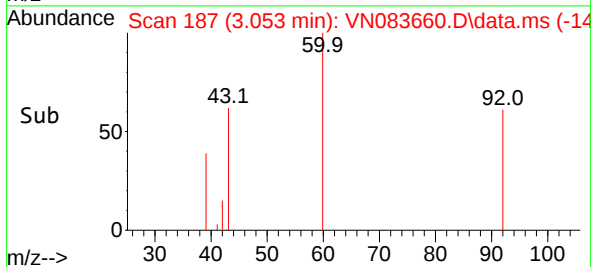
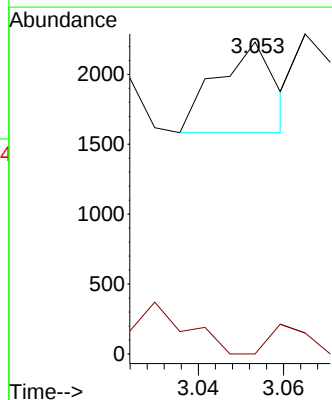
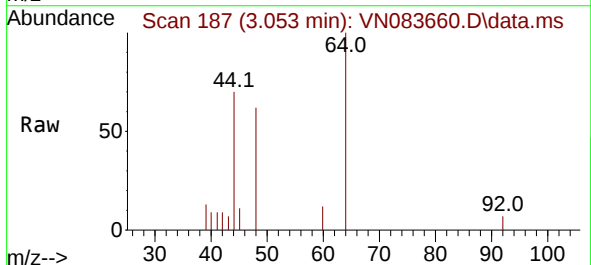
Instrument :
MSVOA_N
ClientSampleId :

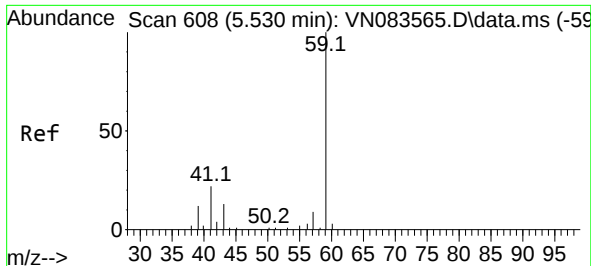
Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.536 ug/l
RT: 3.053 min Scan# 187
Delta R.T. -0.024 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

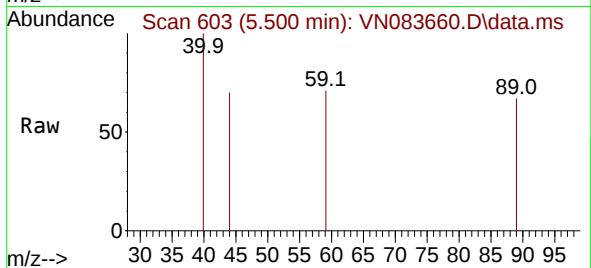
Tgt Ion: 64 Resp: 610
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



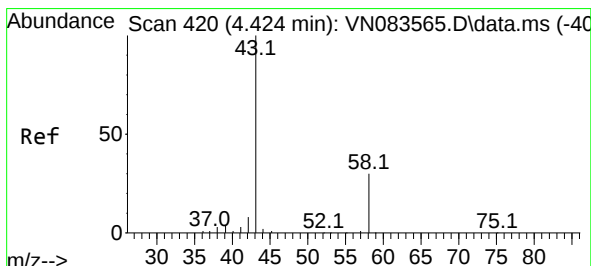
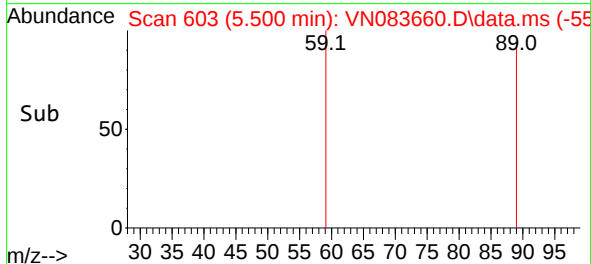
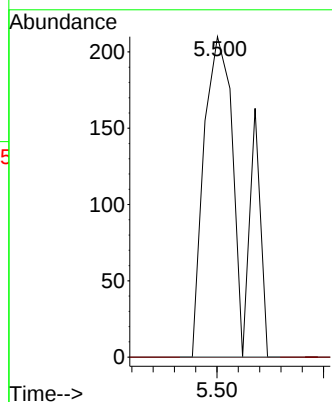


#11
Tert butyl alcohol
Concen: 0.806 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.030 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

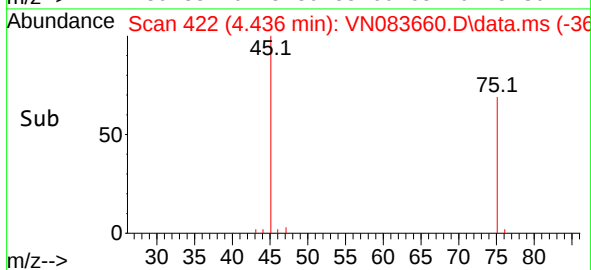
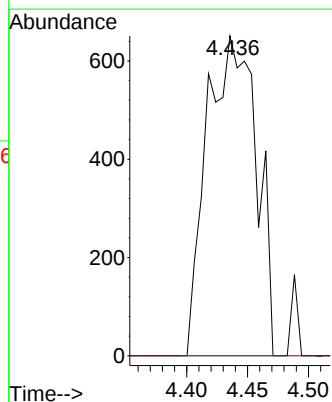
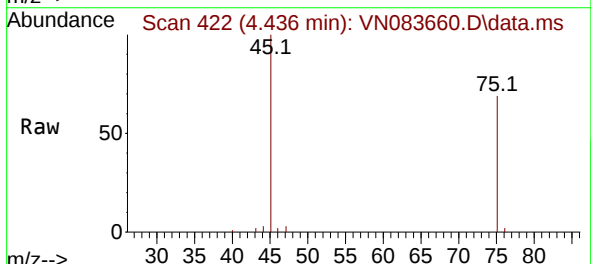


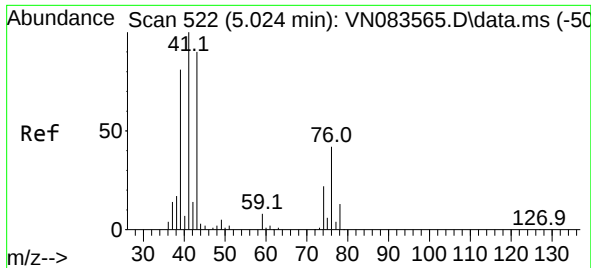
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 2.340 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#

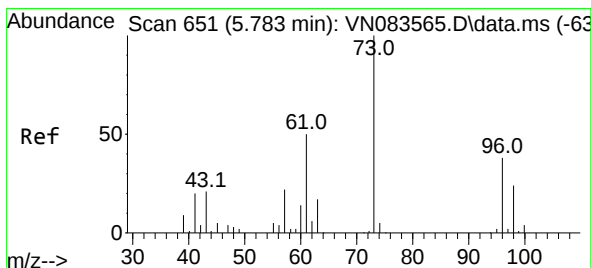
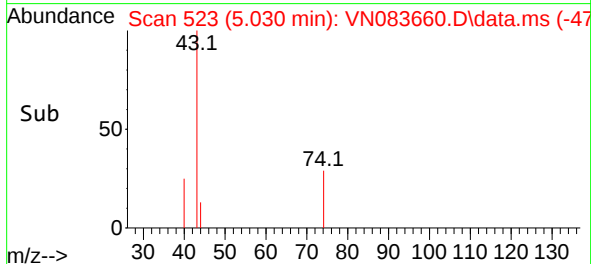
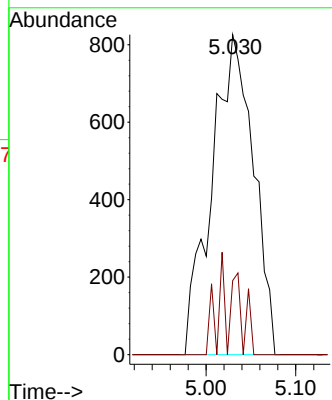
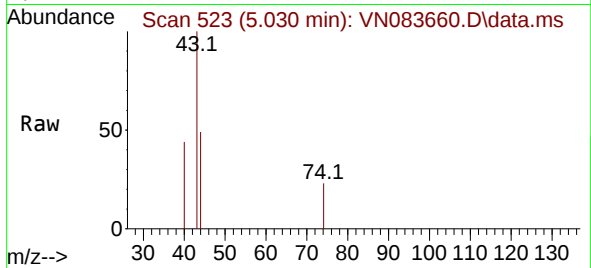




#18
Methyl Acetate
Concen: 1.274 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

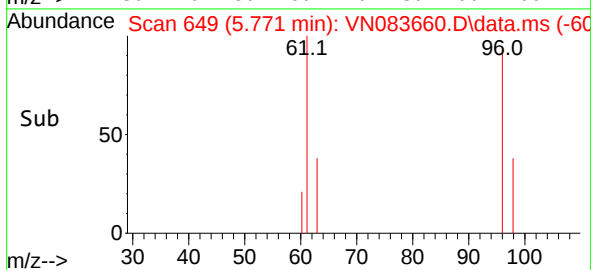
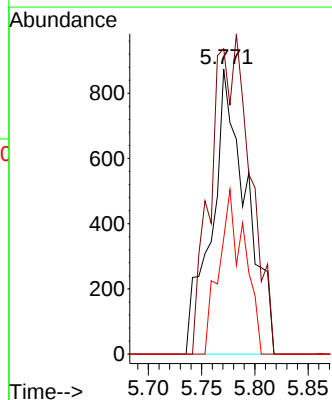
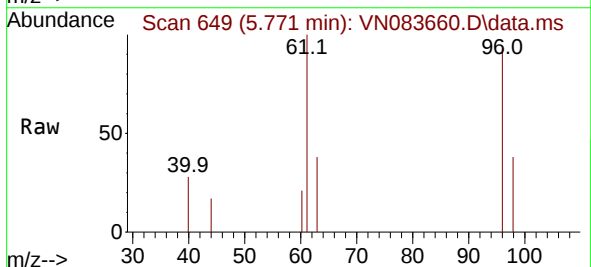
Instrument :
MSVOA_N
ClientSampleId :

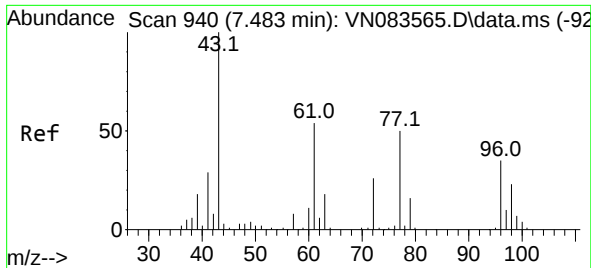
Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
74 7.6 19.0 28.4#



#21
trans-1,2-Dichloroethene
Concen: 1.240 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.012 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Tgt Ion: 96 Resp: 1997
Ion Ratio Lower Upper
96 100
61 107.2 106.0 159.0
98 40.6 52.2 78.2#



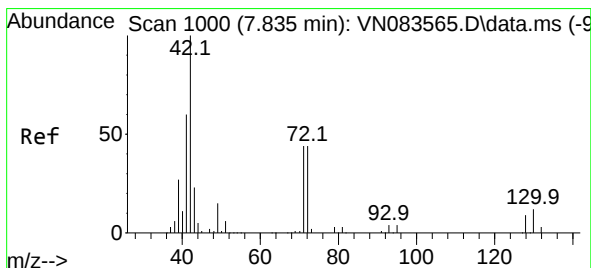
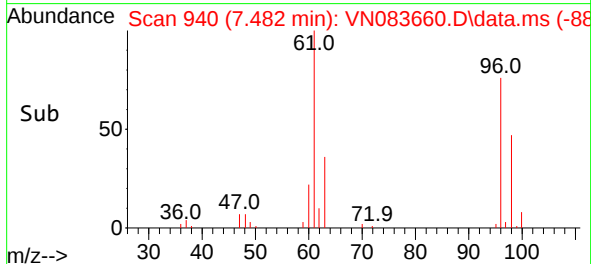
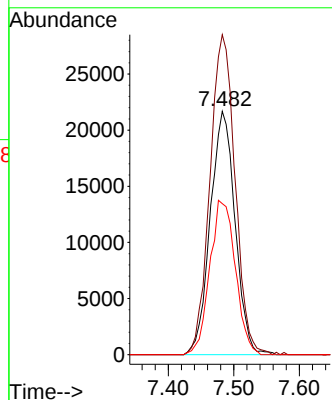
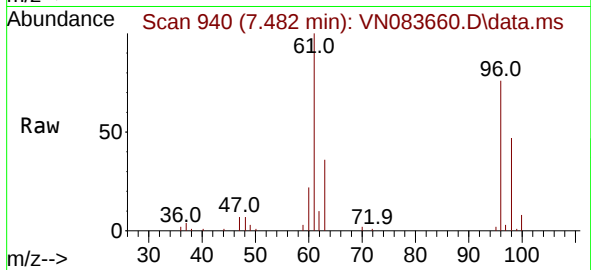


#27
 cis-1,2-Dichloroethene
 Concen: 29.660 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN083660.D
 Acq: 04 Sep 2024 19:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 96 Resp: 57012

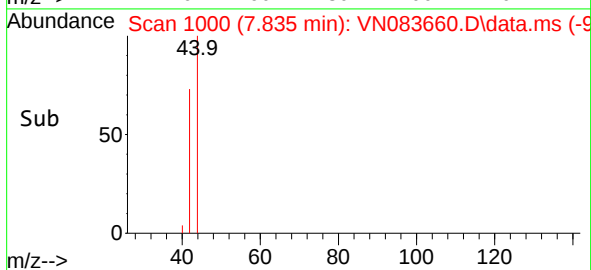
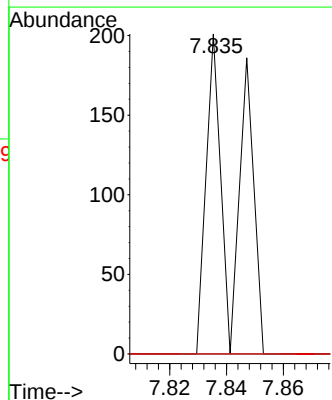
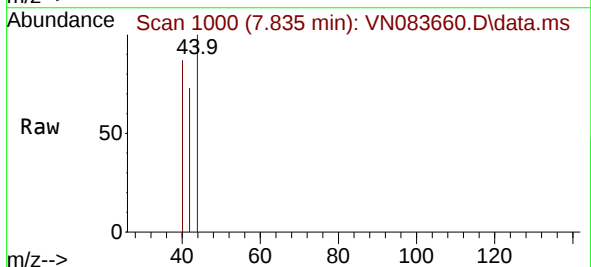
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	306.2
98	65.2	0.0	128.6

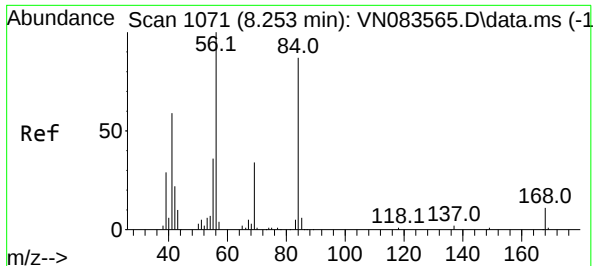


#29
 Tetrahydrofuran
 Concen: 0.206 ug/l
 RT: 7.835 min Scan# 1000
 Delta R.T. -0.000 min
 Lab File: VN083660.D
 Acq: 04 Sep 2024 19:30

Tgt Ion: 42 Resp: 137

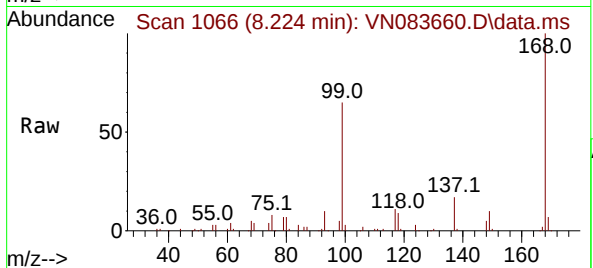
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



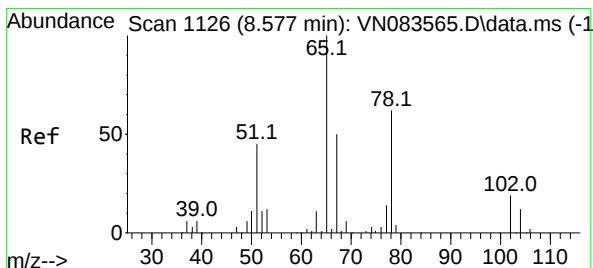
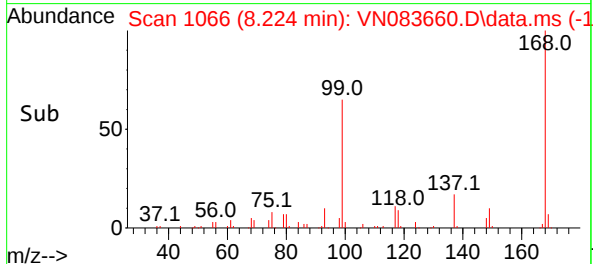
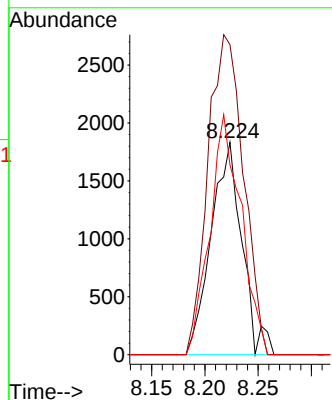


#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

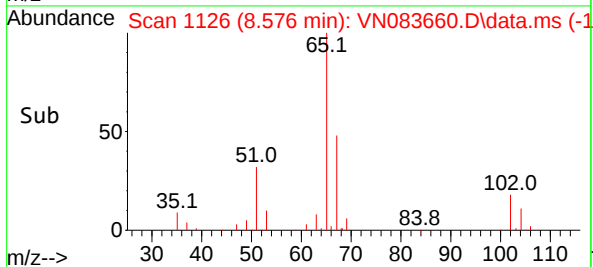
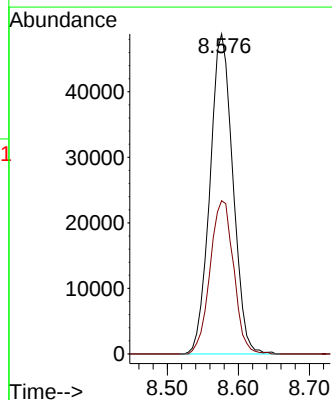
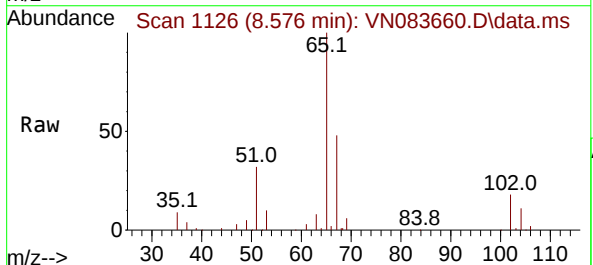


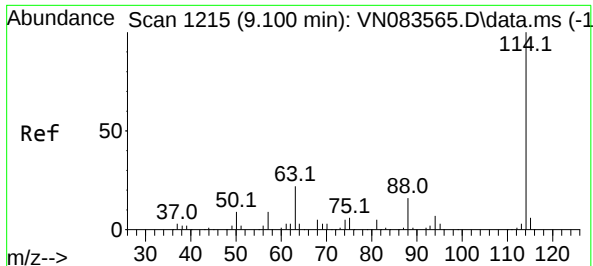
Tgt Ion: 56 Resp: 3681
Ion Ratio Lower Upper
56 100
69 146.1 26.9 40.3#
84 89.4 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 55.439 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Tgt Ion: 65 Resp: 109372
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

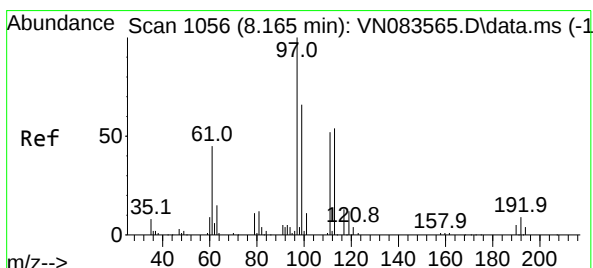
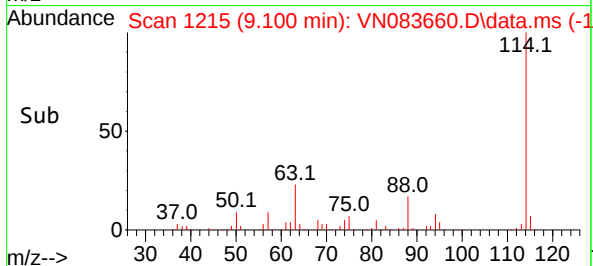
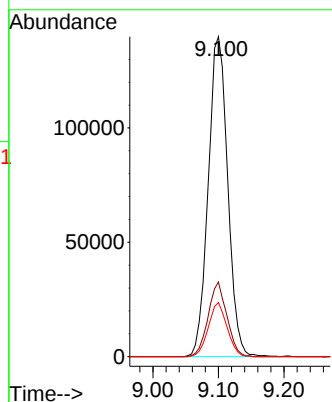
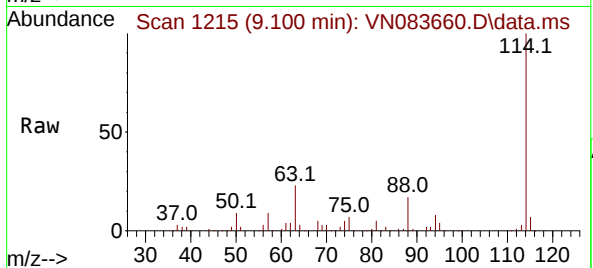
Tgt Ion:114 Resp: 289075

Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.720 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

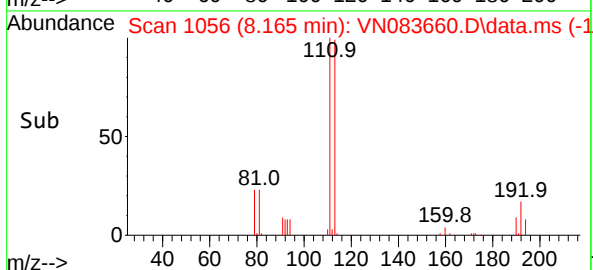
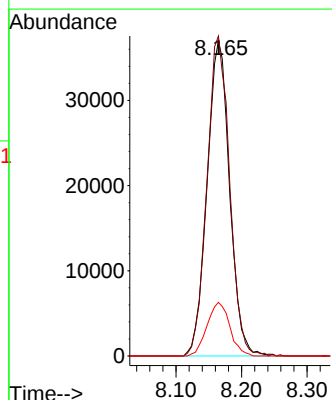
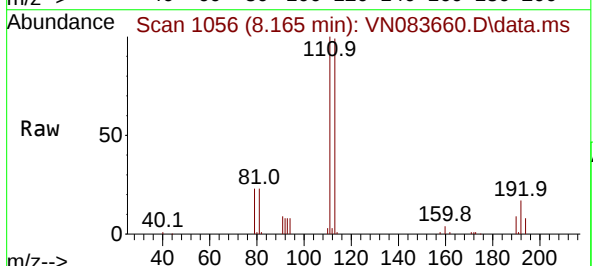
Tgt Ion:113 Resp: 88247

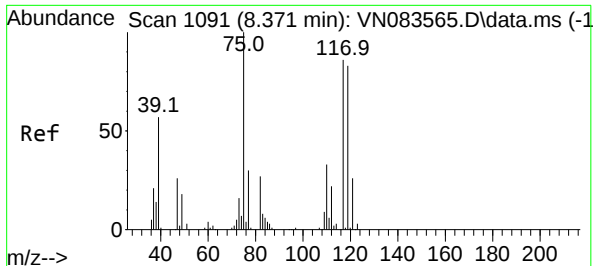
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

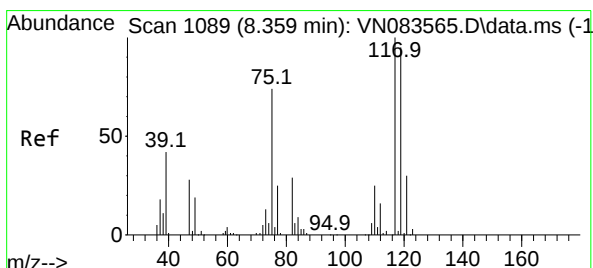
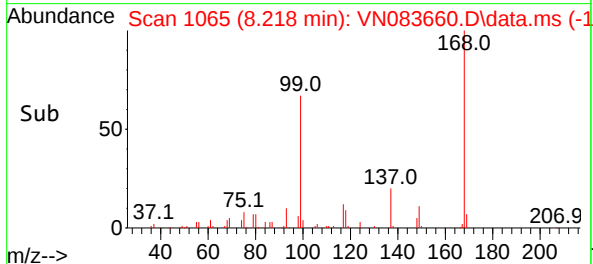
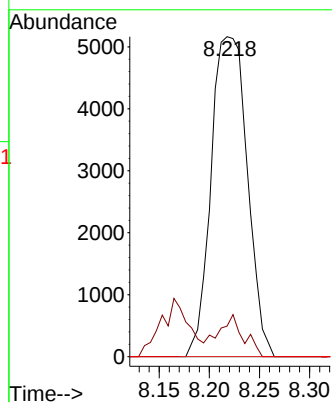
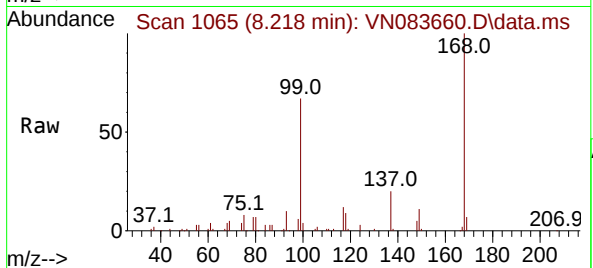
Tgt Ion: 75 Resp: 12982

Ion Ratio Lower Upper

75 100

110 9.3 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.331 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

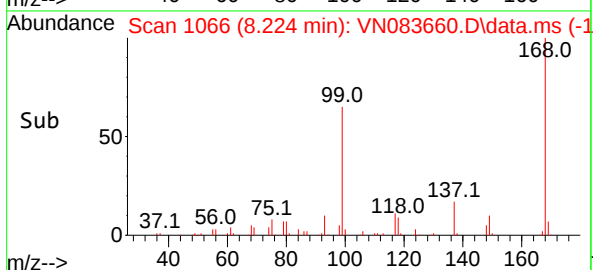
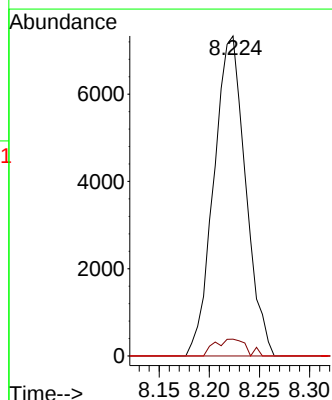
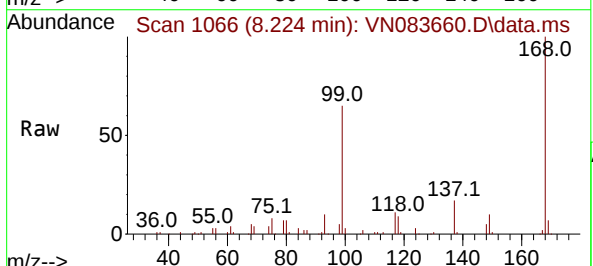
Tgt Ion: 117 Resp: 16142

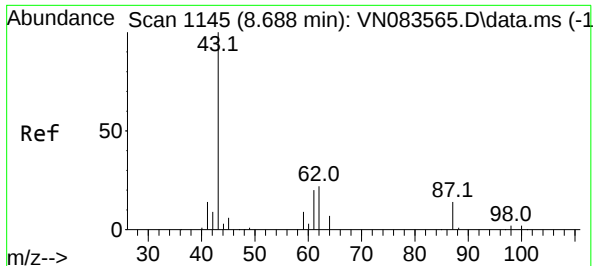
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

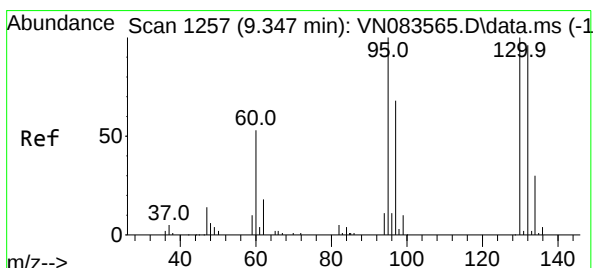
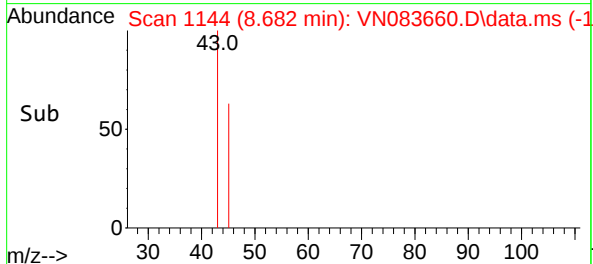
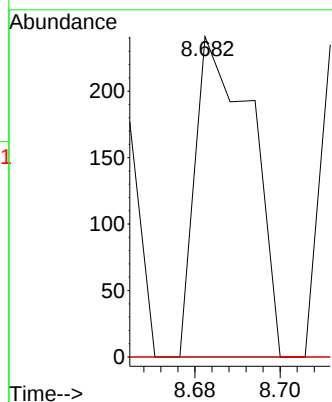
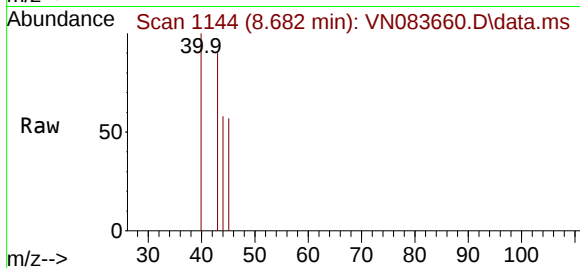
Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 9.817 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN083660.D

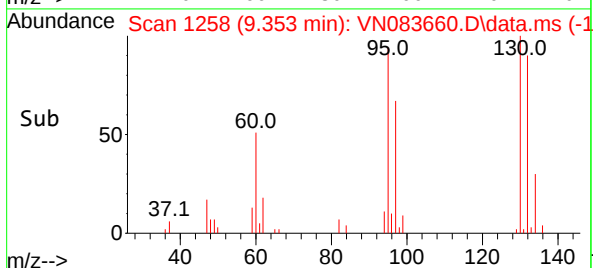
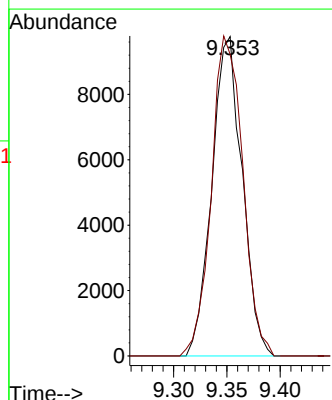
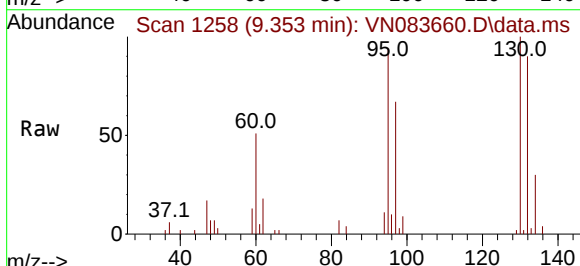
Acq: 04 Sep 2024 19:30

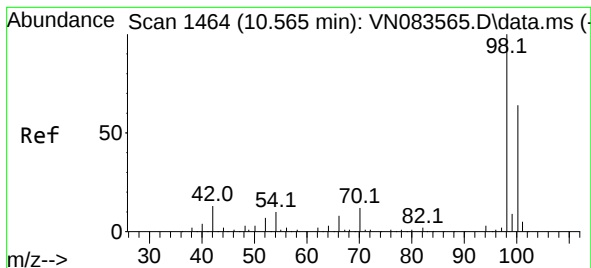
Tgt Ion:130 Resp: 19280

Ion Ratio Lower Upper

130 100

95 94.4 0.0 200.4





#50

Toluene-d8

Concen: 46.463 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

Instrument :

MSVOA_N

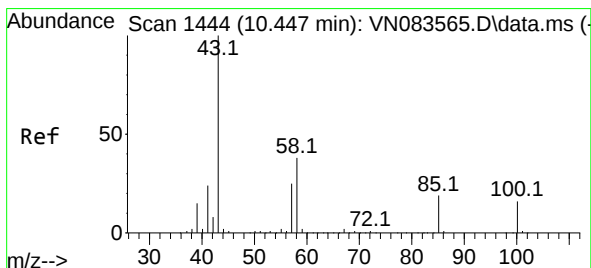
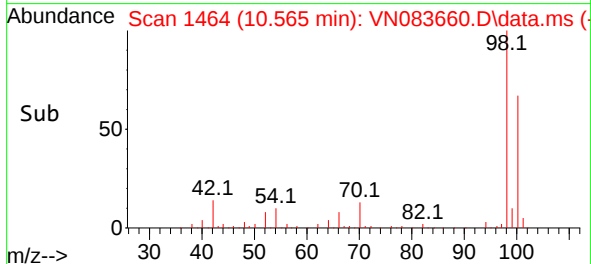
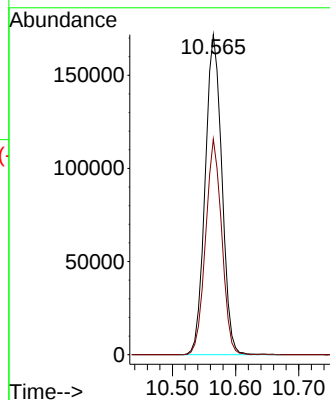
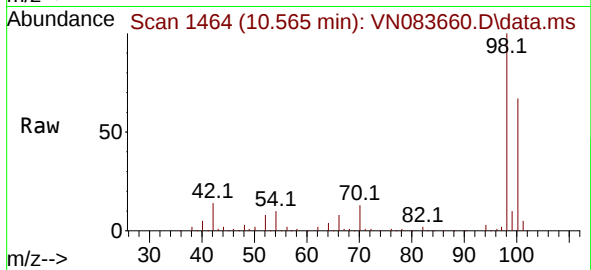
ClientSampleId :

Tgt Ion: 98 Resp: 314602

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.806 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.112 min

Lab File: VN083660.D

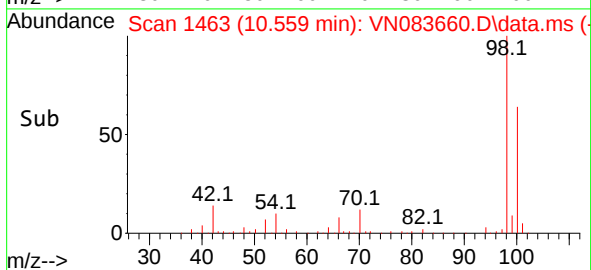
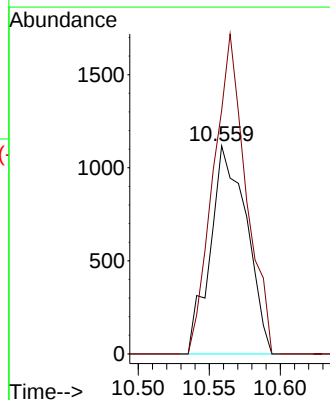
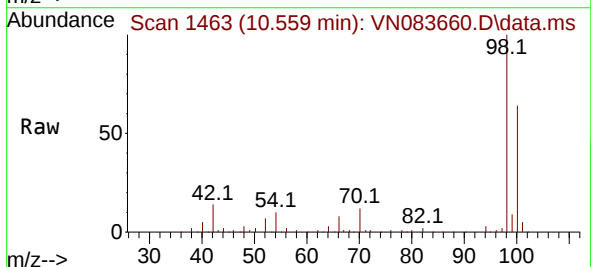
Acq: 04 Sep 2024 19:30

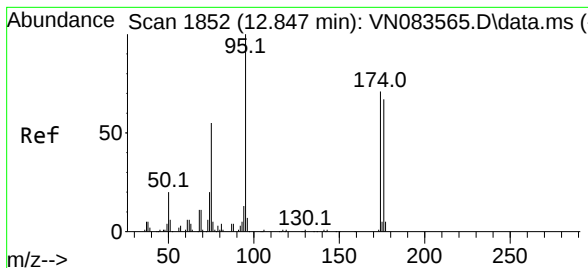
Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

58 139.4 31.6 47.4#

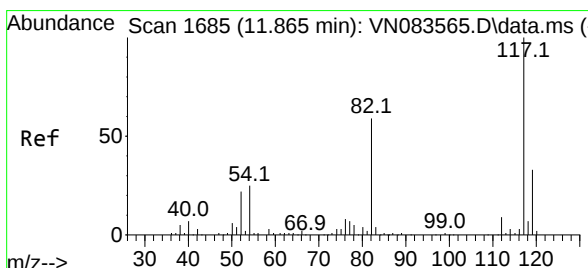
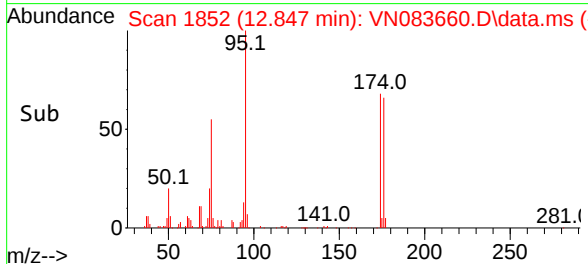
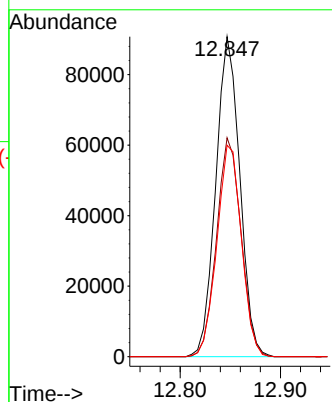
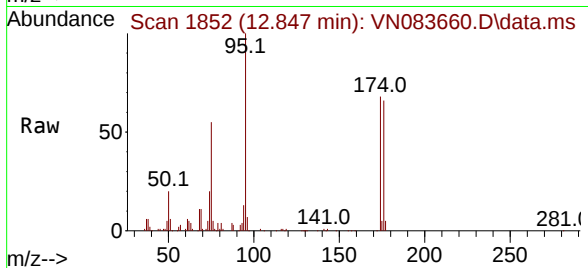




#62
4-Bromofluorobenzene
Concen: 60.099 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

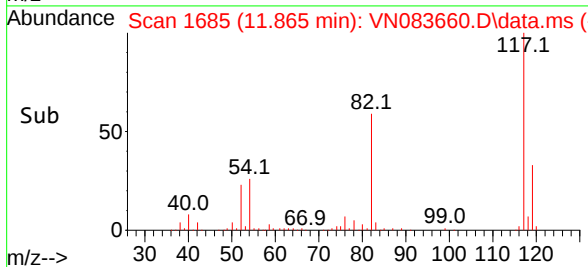
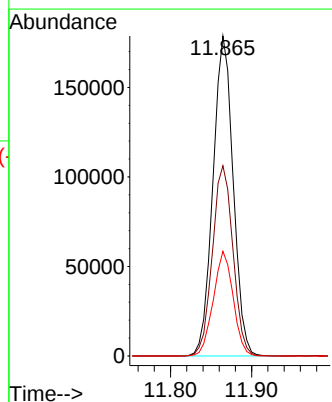
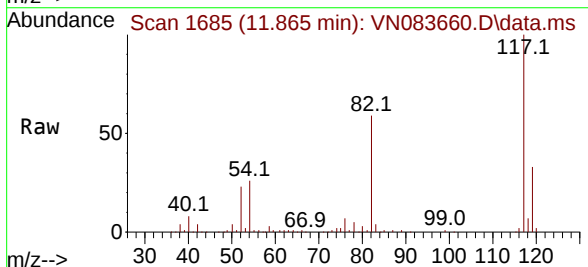
Instrument :
MSVOA_N
ClientSampleId :

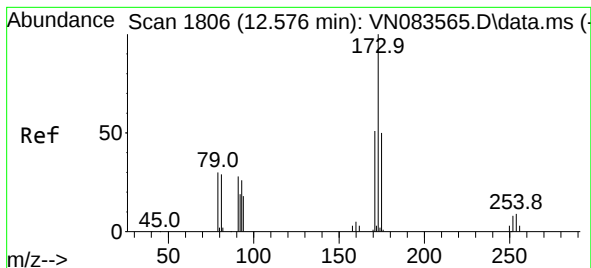
Tgt Ion: 95 Resp: 150843
Ion Ratio Lower Upper
95 100
174 69.7 0.0 139.8
176 67.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Tgt Ion: 117 Resp: 309003
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.0
119 32.7 26.3 39.5





#71

Bromoform

Concen: 0.231 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

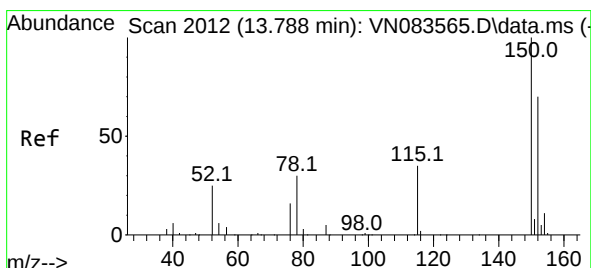
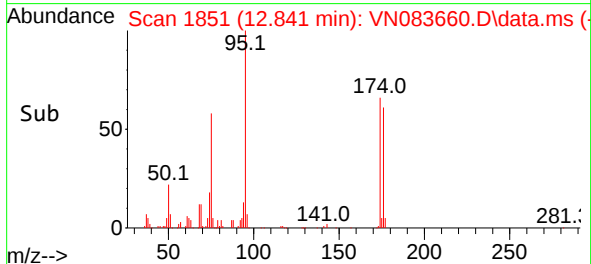
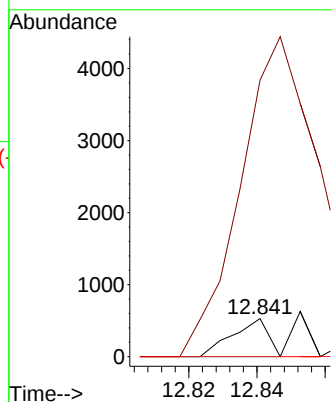
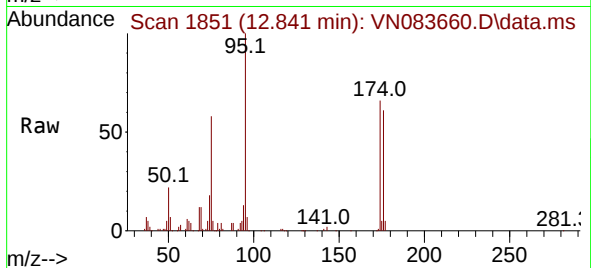
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 385

Ion	Ratio	Lower	Upper
173	100		
175	1439.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

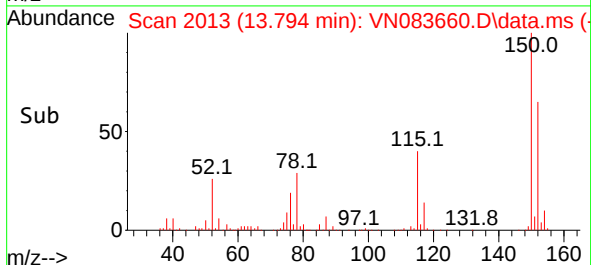
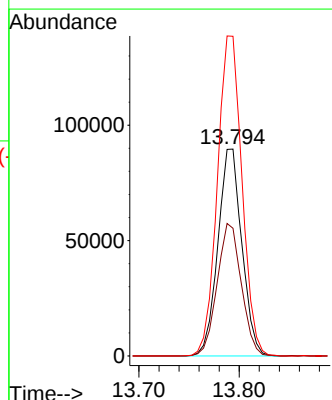
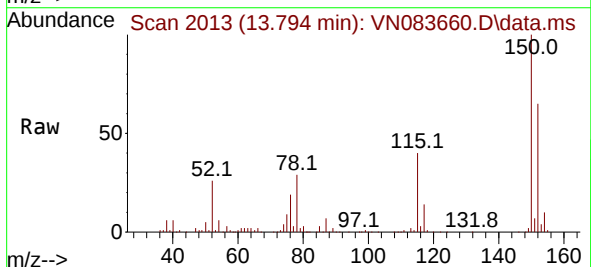
Delta R.T. 0.006 min

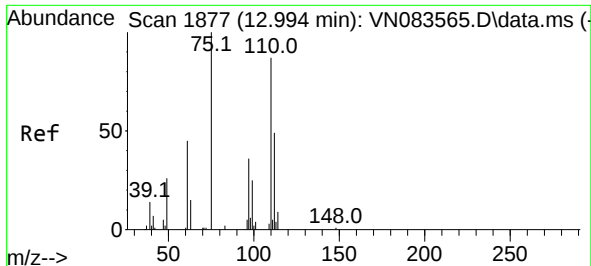
Lab File: VN083660.D

Acq: 04 Sep 2024 19:30

Tgt Ion:152 Resp: 148552

Ion	Ratio	Lower	Upper
152	100		
115	64.6	32.2	96.6
150	159.0	0.0	348.6

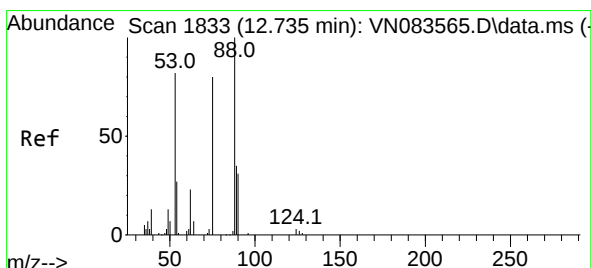
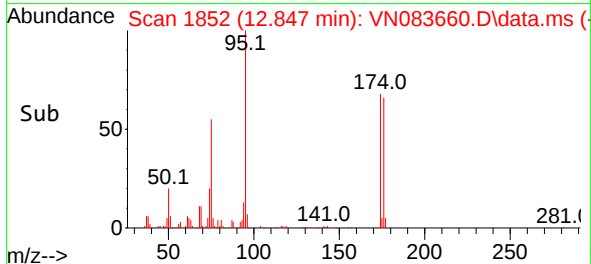
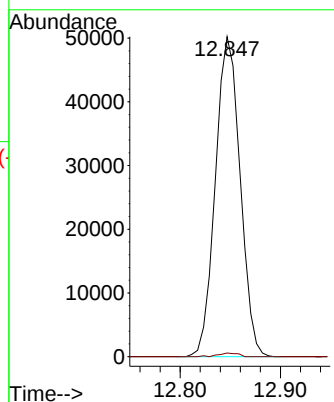
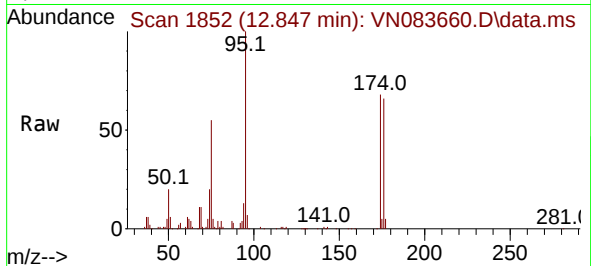




#76
1,2,3-Trichloropropane
Concen: 28.650 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 85928
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.573 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083660.D
Acq: 04 Sep 2024 19:30

Tgt Ion: 75 Resp: 85928
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

